

FORM PTO-1449 U.S. DEPARTMENT OF
(Rev. 2-325) COMMERCE PATENT AND
TRADEMARK OFFICE

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use several sheets if necessary)

ATTY. DOCKET NO.
A0000179/2-66-MG

SERIAL NO.
10/088,257

APPLICANT
FRANCOIS BERTELLI, ET AL.

RECEIVED

FILING DATE
March 15, 2002

GROUP AUG 26 2002

U.S. PATENT DOCUMENTS

TECH CENTER 1600/2900

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5 8 4 6 7 5 7	12/8/98	Harpold et al.	435	29	
	5 4 2 9 9 2 1	7/4/95	Harpold et al.	435	4	

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
					YES NO
9 3 0 4 0 8 3	04.03.93	WO			x
0 0 2 0 4 5 0	13.04.00	WO			x
9 9 2 8 3 4 2	10.06.99	WO			x
9 6 0 3 1 2 2	08.02.96	WO			x

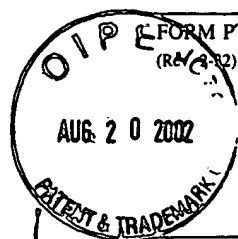
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc)

	PCT International Search Report, PCT/EP00/09136
	Hofmann et al., "Voltage-Dependent Calcium Channels: From Structure to Function", <u>Reviews of Physiology Biochemistry and Pharmacology</u> , Vol. 139, 1999, pages 33-87
	Witcher et al., "Characterization of the purified N-type Ca-2+ channel and the cation sensitivity of omega-conotoxin GVIA binding", <u>Neuropharmacology</u> , Vol. 32, No. 11, 1993, pages 1127-1139
	Brown and Gee, "Cloning and Deletion Mutagenesis of the $\alpha_{2\delta}$ Calcium Channel Subunit from Porcine Cerebral Cortex", <u>The Journal of Biological Chemistry</u> , Vol. 273, No. 39, 1998, pages 25458-25465
	Brown et al., "Isolation of the [3 H]Gabapentin-Binding Protein/ $\alpha_{2\delta}$ Ca $^{2+}$ Channel Subunit from Porcine Brain: Development of a Radioligand Binding Assay for $\alpha_{2\delta}$ Subunits Using [3 H]Leucine", <u>Analytical Biochemistry</u> , Vol. 255, No. 2, 1998, pages 236-243
	Wang et al., "Structural requirement of the calcium-channel subunit $\alpha_{2\delta}$ for gabapentin binding", <u>Biochemical Journal</u> , Vol. 342, No. 2, pages 313-320
	Gee et al., "The Novel Anticonvulsant Drug, Gabapentin (Neurontin), Binds to the $\alpha_{2\delta}$ Subunit of a Calcium Channel", <u>The Journal of Biological Chemistry</u> , Vol. 271, No. 6, 1996, pages 5768-5776
	Kowalski et al., "Effects of anti-calcium channel $\alpha_{2\delta}$ -subunit antibodies on calcium flux and 1,4-dihydropyridine binding", <u>Biochemical Society Transactions</u> , 1990, page 890
	Gurnett et al., "Extracellular Interaction of the Voltage-dependent Ca $^{2+}$ Channel $\alpha_{2\delta}$ and α_1 Subunits", <u>The Journal of Biological Chemistry</u> , Vol. 272, No. 29, 1997, pages 18508-18512
	Gurnett et al., "Dual Function of the Voltage-Dependent Ca $^{2+}$ Channel $\alpha_{2\delta}$ Subunit in Current Stimulation and Subunit Interaction", <u>Neuron</u> , Vol. 16, 1996, pages 431-440

EXAMINER DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

ANY COPIES OF DOCUMENTS LISTED ON THIS FORM PTO-1449 SHOULD HAVE CERTAIN INFORMATION PLACED ALONG THE LEFT SIDE OF THE DOCUMENT. INFORMATION SUCH AS DOCKET NUMBER, FILING DATE, SERIAL NUMBER, ART UNIT, ETC.



U.S. DEPARTMENT OF
COMMERCE PATENT AND
TRADEMARK OFFICE

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use several sheets if necessary)

ATTY. DOCKET NO.
A0000179/2-66-MG

SERIAL NO.
10/088,257

APPLICANT
FRANCOIS BERTELLI, ET AL.

FILING DATE
March 15, 2002

GROUP

RECEIVED

AUG 26 2002

TECH CENTER 1600/2900

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc)

	Felix et al., "Dissection of Functional Domains of the Voltage-Dependent Ca^{2+} Channel $\alpha_2\delta$ Subunit", <u>The Journal of Neuroscience</u> , Vol. 17, No. 18, 1997, pages 6884-6891
	Field et al., "Gabapentin (neurontin) and S-(+)-3-isobutylgaba represent a novel class of selective antihyperalgesic agents", <u>British Journal of Pharmacology</u> , Vol. 121, 1997, pages 1513-1522
	Klugbauer et al., "Molecular Diversity of the Calcium Channel $\alpha_2\delta$ Subunit", <u>The Journal of Neuroscience</u> , Vol. 19, No. 2, 1999, pages 684-691
	Tokumaru et al., "Purification of the cardiac 1,4-dihydropyridine receptor using immunoaffinity chromatography with a monoclonal antibody against the $\alpha_2\delta$ subunit of the skeletal muscle dihydropyridine receptor", <u>European Journal of Pharmacology - Molecular Pharmacology Section</u> , Vol. 227, 1992, pages 363-370
	Hill et al., "Localization of [3H]gabapentin to a novel site in rat brain: autoradiographic studies", <u>European Journal of Pharmacology - Molecular Pharmacology Section</u> , Vol. 244, 1993, pages 303-309
	Dissanayake et al., "Spermine modulation of specific [3H]gabapentin binding to the detergent-solubilized porcine cerebral cortex $\alpha_2\delta$ calcium channel subunit", <u>British Journal of Pharmacology</u> , Vol. 120, 1997, pages 833-840
	Brickley et al., "Use of site-directed antibodies to probe the topography of the α_2 subunit of voltage-gated Ca^{2+} channels", <u>FEBS Letters</u> , Vol. 364, 1995, pages 129-133
	Taylor et al., "Potent and stereospecific anticonvulsant activity of 3-isobutyl GABA relates to in vitro binding at a novel site labeled by tritiated gabapentin", <u>Epilepsy Research</u> , Vol. 14, 1993, pages 11-15
	Thurlow et al., "[3H]Gabapentin may label a system-L-like neutral amino acid carrier in brain", <u>European Journal of Pharmacology - Molecular Pharmacology Section</u> , Vol. 247, 1993, pages 341-345
	Suman-Chauhan et al., "Characterization of [3H]gabapentin to a novel site in rat brain: homogenate binding studies", <u>European Journal of Pharmacology - Molecular Pharmacology Section</u> , Vol. 244, 1993, pages 293-301
	Ellis et al., "Sequence and Expression of mRNAs Encoding the α_1 and α_2 Subunits of a DHP-Sensitive Calcium Channel", <u>Science</u> , Vol. 241, 1988, pages 1661-1664
	De Jongh et al., "Subunits of Purified Calcium Channels", <u>The Journal of Biological Chemistry</u> , Vol. 265, No. 25, 1990, pages 14738-14741
	Jay et al., "Structural Characterization of the Dihydropyridine-sensitive Calcium Channel α_2 -Subunit and the Associated δ Peptides", <u>The Journal of Biological Chemistry</u> , Vol. 266, No. 5, 1991, pages 3287-3293
	Wiser et al., "The $\alpha_2\delta$ subunit of voltage sensitive Ca^{2+} channels is a single transmembrane extracellular protein which is involved in regulated secretion", <u>FEBS Letters</u> , Vol. 379, 1996, pages 15-20
	Brown et al., "Mechanisms of Action of Gabapentin", <u>Rev. Contemp. Pharmacother.</u> , Vol. 7, 1996, pages 203-214
	Holland et al., "A Nonseparation Microplate Receptor Binding Assay", <u>Analytical Biochemistry</u> , Vol. 222, 1994, pages 516-518

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

ANY COPIES OF DOCUMENTS LISTED ON THIS FORM PTO-1449 SHOULD HAVE CERTAIN INFORMATION PLACED ALONG THE LEFT SIDE OF THE DOCUMENT. INFORMATION SUCH AS DOCKET NUMBER, FILING DATE, SERIAL NUMBER, ART UNIT, ETC.